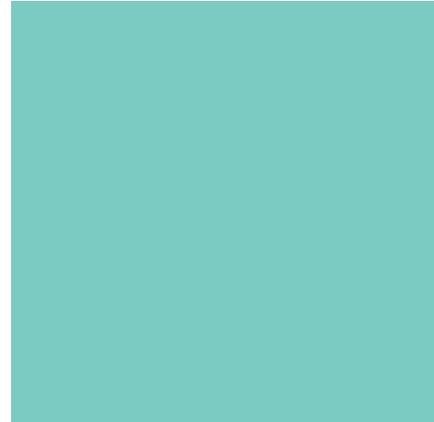




# Berkeley Lab Accident Statistics Through

## March 31, 2014



**These slides are updated on a monthly basis as soon as data are reasonably final for the preceding month. Hours worked are estimated monthly and updated with final and actual values quarterly.**

**Every effort is made to present accurate and final data. However, changes may occur in subsequent months as additional information becomes available and as developments change the recordability of some cases.**

**Refer questions about these charts to [rwfisher@lbl.gov](mailto:rwfisher@lbl.gov)**

# Injury/Illness Cases – March 2014

## Ergonomic Related Injuries

- **Lower back discomfort**

A Desktop Systems Specialist reported lower back pain associated with using a computer workstation chair. The Ergonomist found the chair was broken and provided a replacement chair for the employee.

- **Wrist, forearm, elbow discomfort**

An Administrator reported pain and swelling in upper extremities which were attributed to computer keyboard / mouse use.

# Injury/Illness Cases – March 2014

## Laceration

- **Thumb laceration**

A Biochemist Postdoctoral Fellow was injured while trying to lift a 4-liter glass container of acetonitrile by the glass loop handle at the container neck. As the employee lifted the container, the glass loop handle broke. The employee's thumb struck against the broken glass edge.

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## Ultraviolet Light

- **Possible UV exposure**

A Physicist Staff Scientist / Engineer looked through a viewing port in a plasma etcher and then realized that the UV protective filter was missing. A subsequent eye exam revealed no damage to the eyes. The unit was retrofitted with a permanent filter.

# Injury/Illness Cases – March 2014

## Slip Trip Fall

- **Knee and hand contusions**

While on business travel, a Program Manager slipped on a wet hotel lobby floor while stepping out of the hotel elevator.

- **Knee abrasion**

While leaving the B54 parking lot bus shelter, a Visiting Postdoctoral guest did not see the step down, misstepped, and fell to the ground striking the knee.

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## Material Handling

- **Forearm pain**

A Refrigeration Mechanic felt pain in the forearm while lifting a 30-pound cylinder of refrigerant from the back of a service truck.

# Injury/Illness Cases – March 2014

## Chemical Use Related

- **Possible HF contact**

A Guest Student Assistant noted two small wet spots on the index finger after working with a buffered hydrofluoric (HF) acid solution. Ammonium hydroxide, hydrogen peroxide and water were also being used. Although all required protective equipment was worn while working with the solutions, the employee treated this liquid contact as though it were the HF. The employee washed thoroughly with water, applied calcium gluconate, had the finger examined in the emergency room, and then reported to the LBNL clinic the next day.

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## Contact With Electricity

- **Electrical Discharge**

A Software Developer touched a motor shaft while testing the motor controller and felt a mild electrical shock. Investigation found that improved grounding of the motor casing was required to dissipate the high frequency (low energy) capacitive discharge.

# Injury/Illness Cases – March 2014

## Other Trauma

- **Shoulder discomfort**

A Custodian reported discomfort in the shoulder associated with disconnecting a wet/dry vacuum hose.

- **Burn on forehead**

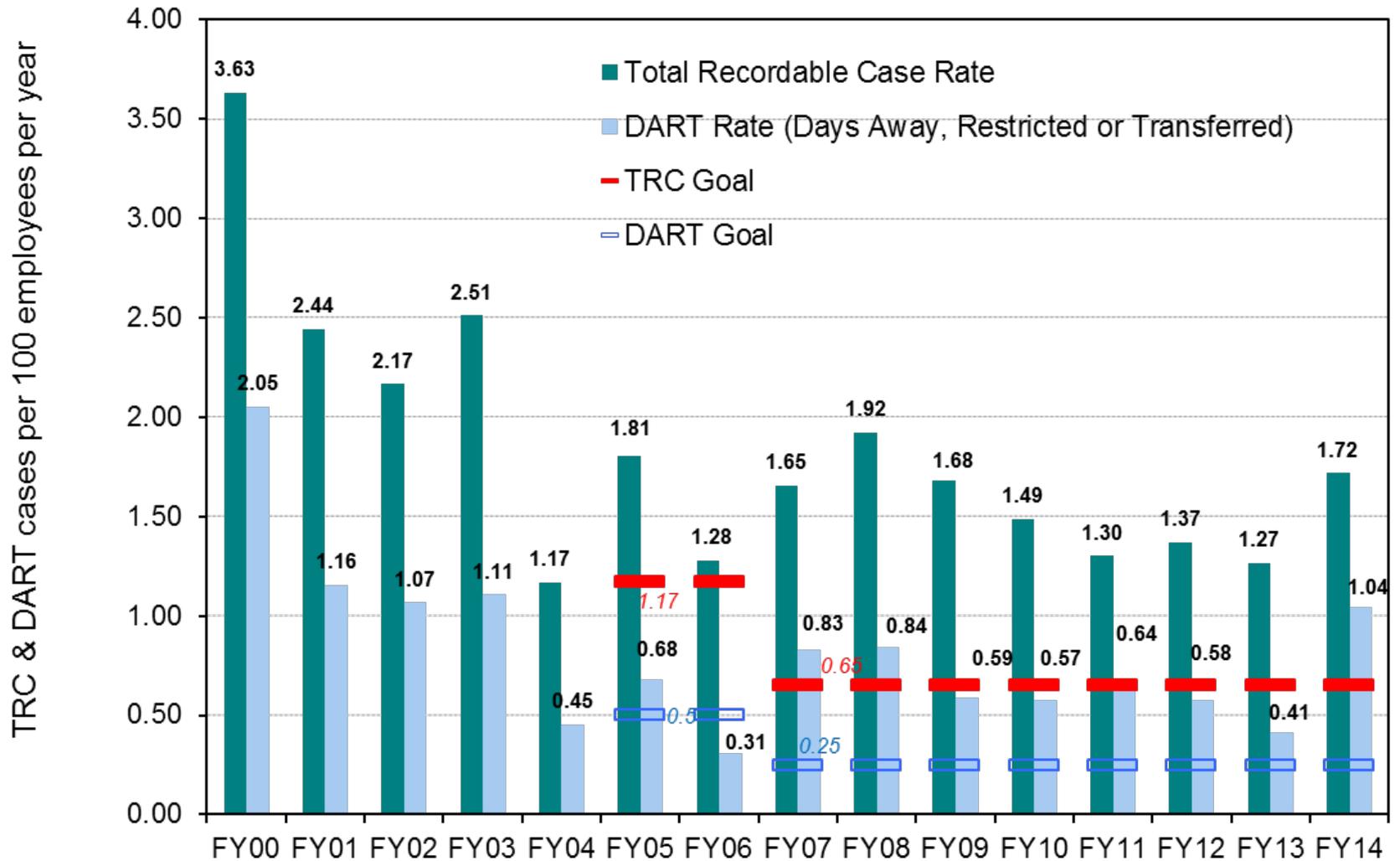
A Technical Assistant was inspecting the lower track of an autoclave door that was not working properly. During the process, the forehead contacted an inner surface of the autoclave that was hotter than expected.

- **Fingernail contusion**

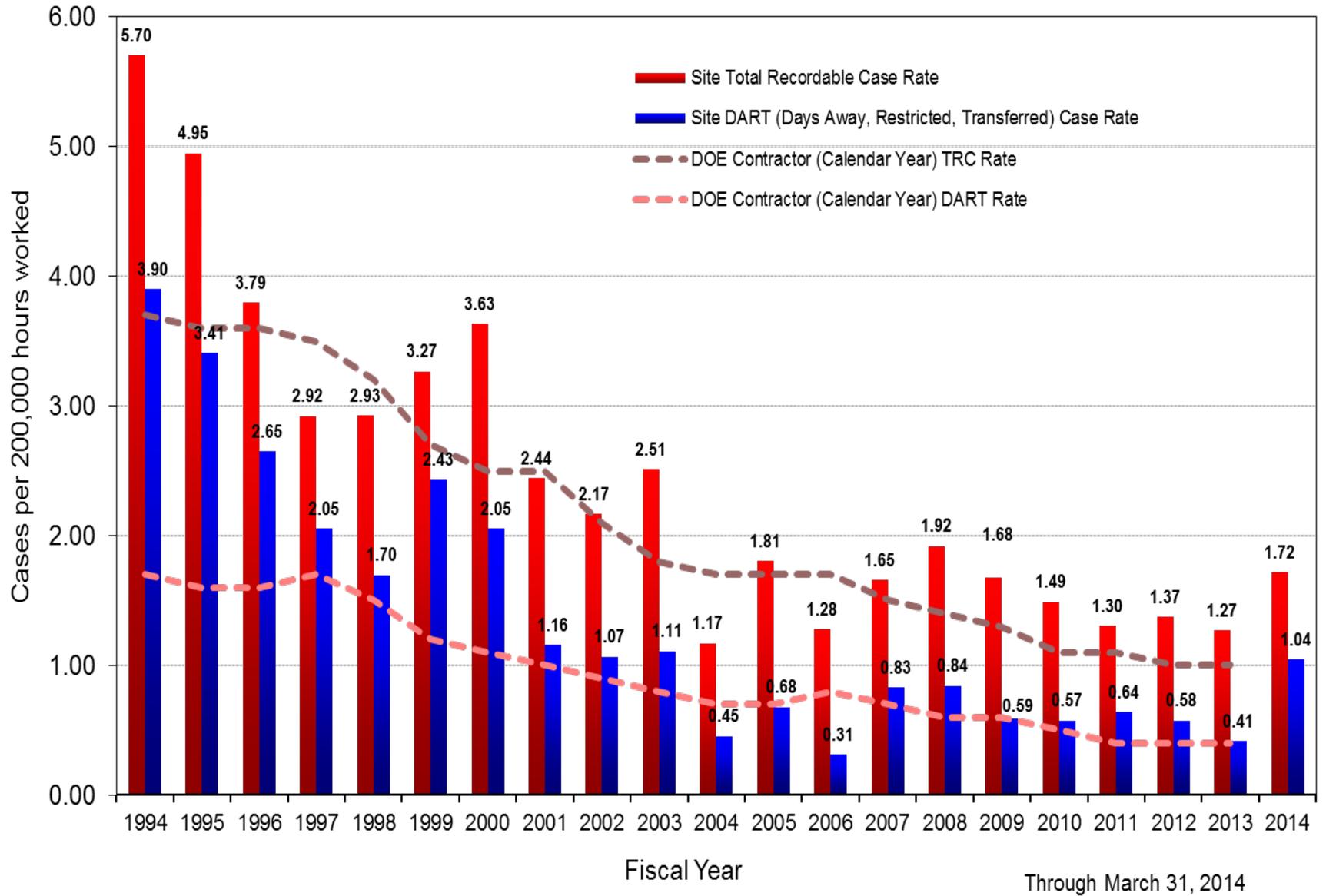
An Administrative Specialist pinched tip of the index finger while performing an adjustment of an office workstation chair.

# Berkeley Lab Site-Wide TRC & DART Rates

(Includes all Construction and Service Contractors)  
Through March 31, 2014

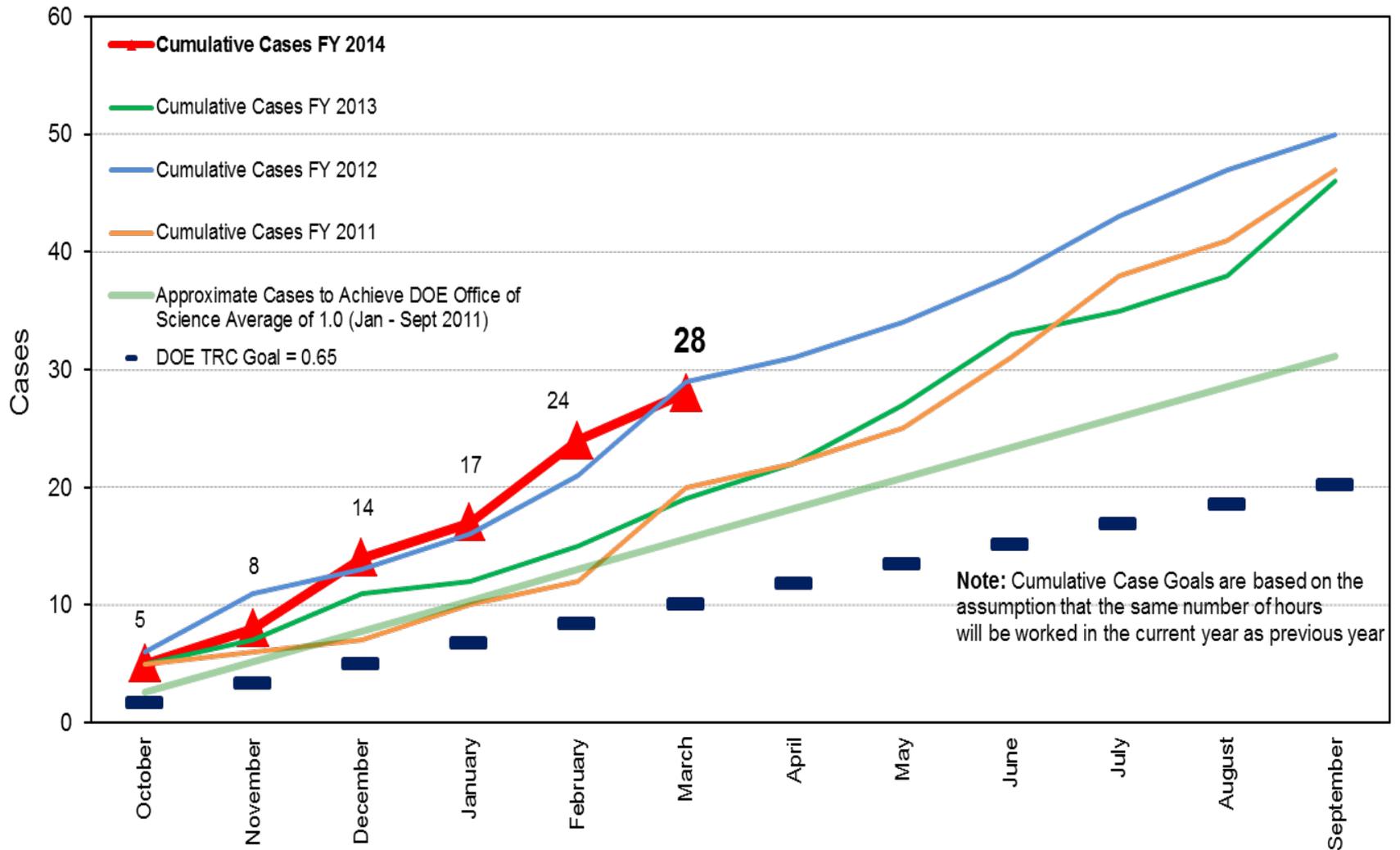


# Berkeley Lab Site Accident Rates

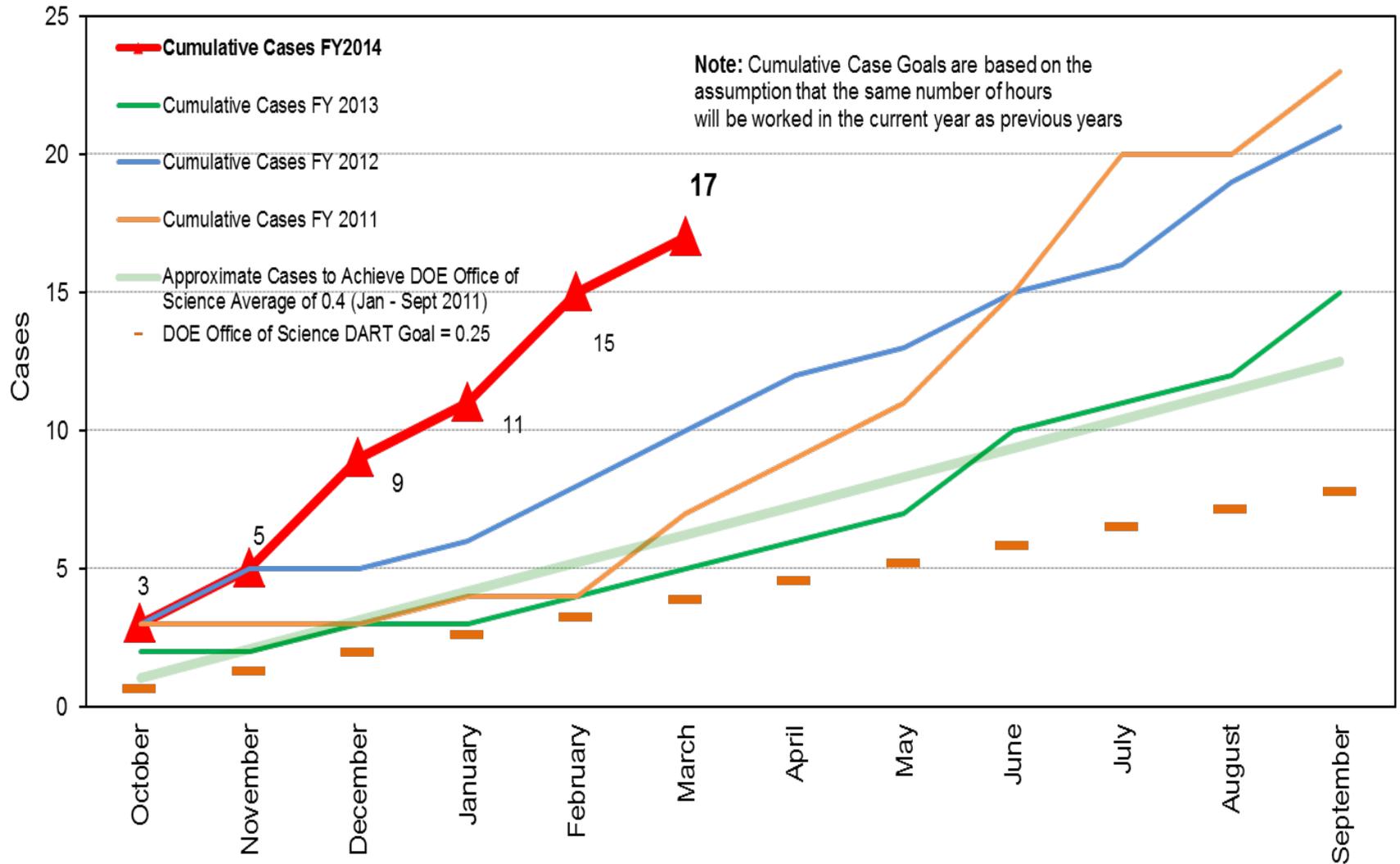


Through March 31, 2014

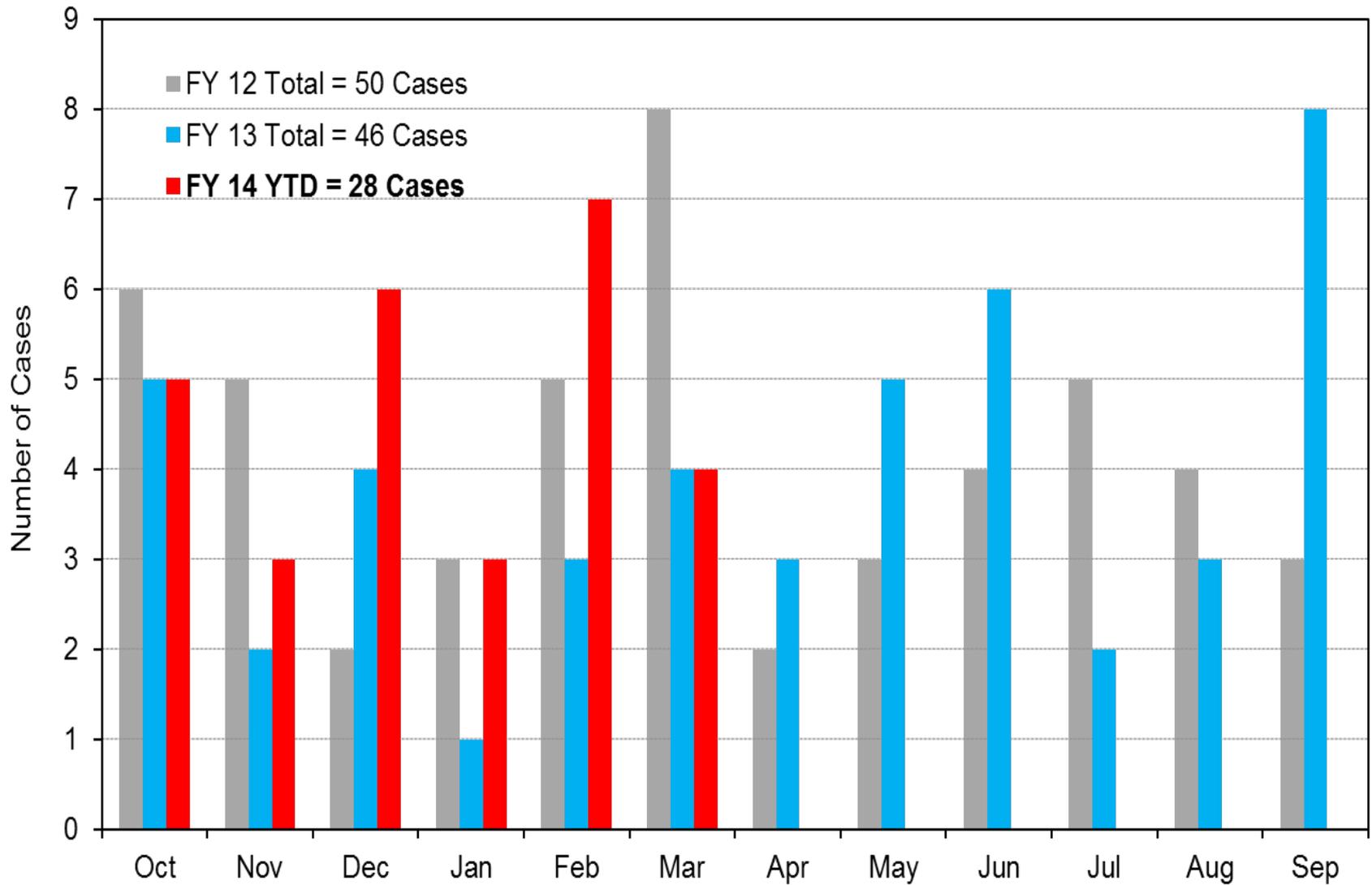
## Berkeley Lab and Contractors Cumulative Total Recordable Cases By Fiscal Year



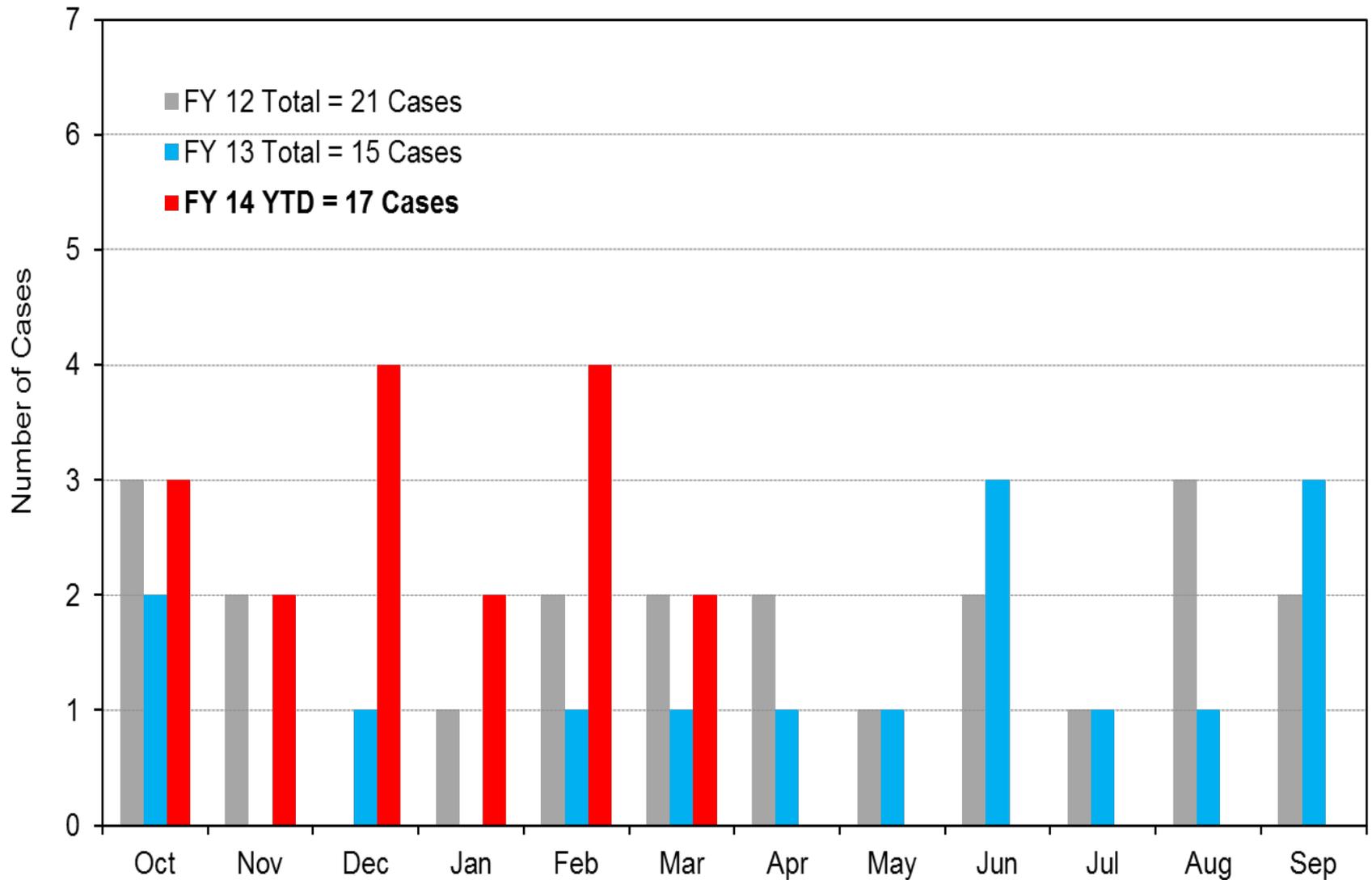
## Berkeley Lab and Contractors Cumulative DART (Days Away, Restricted, Transferred) Cases By Fiscal Year

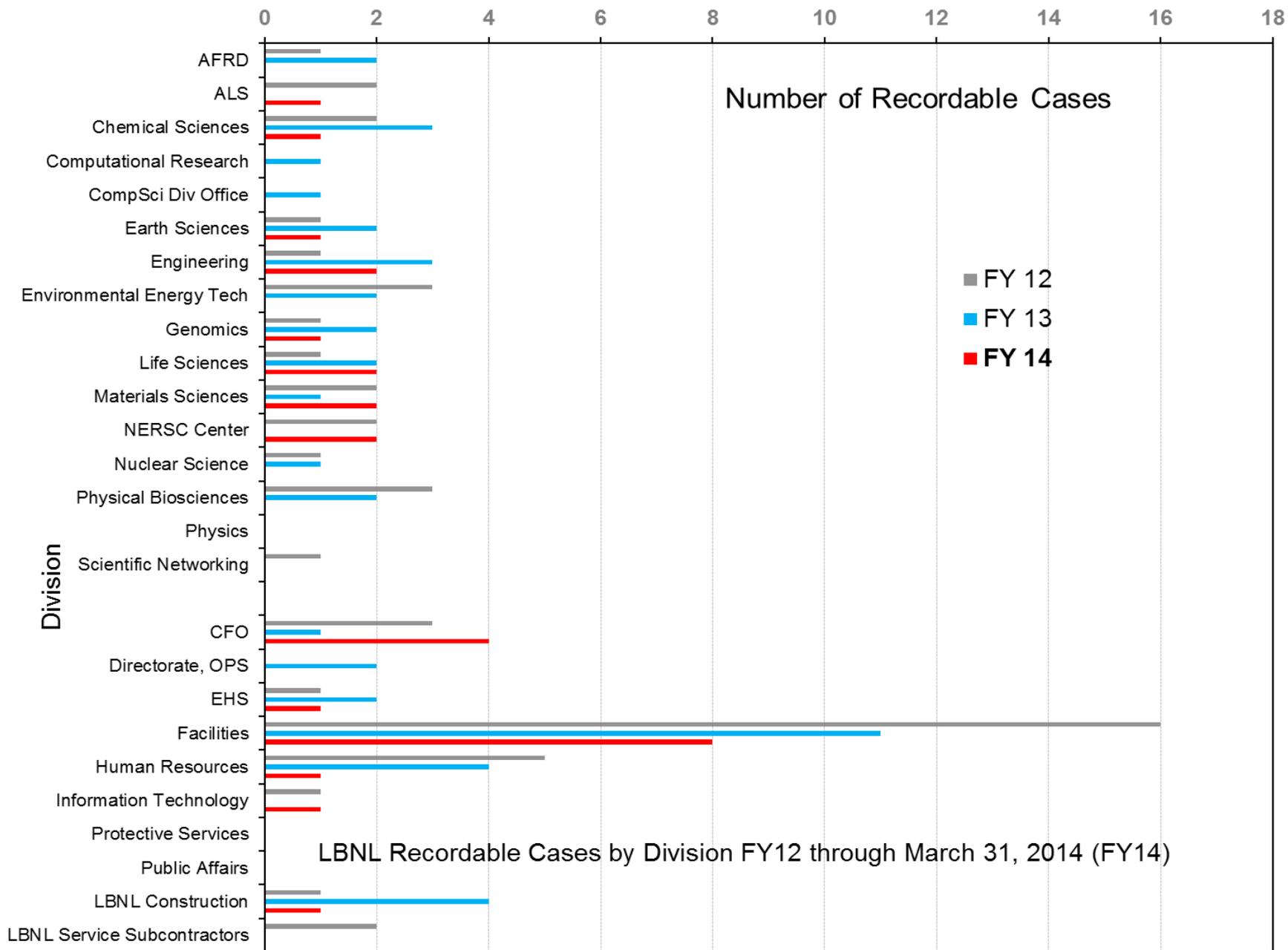


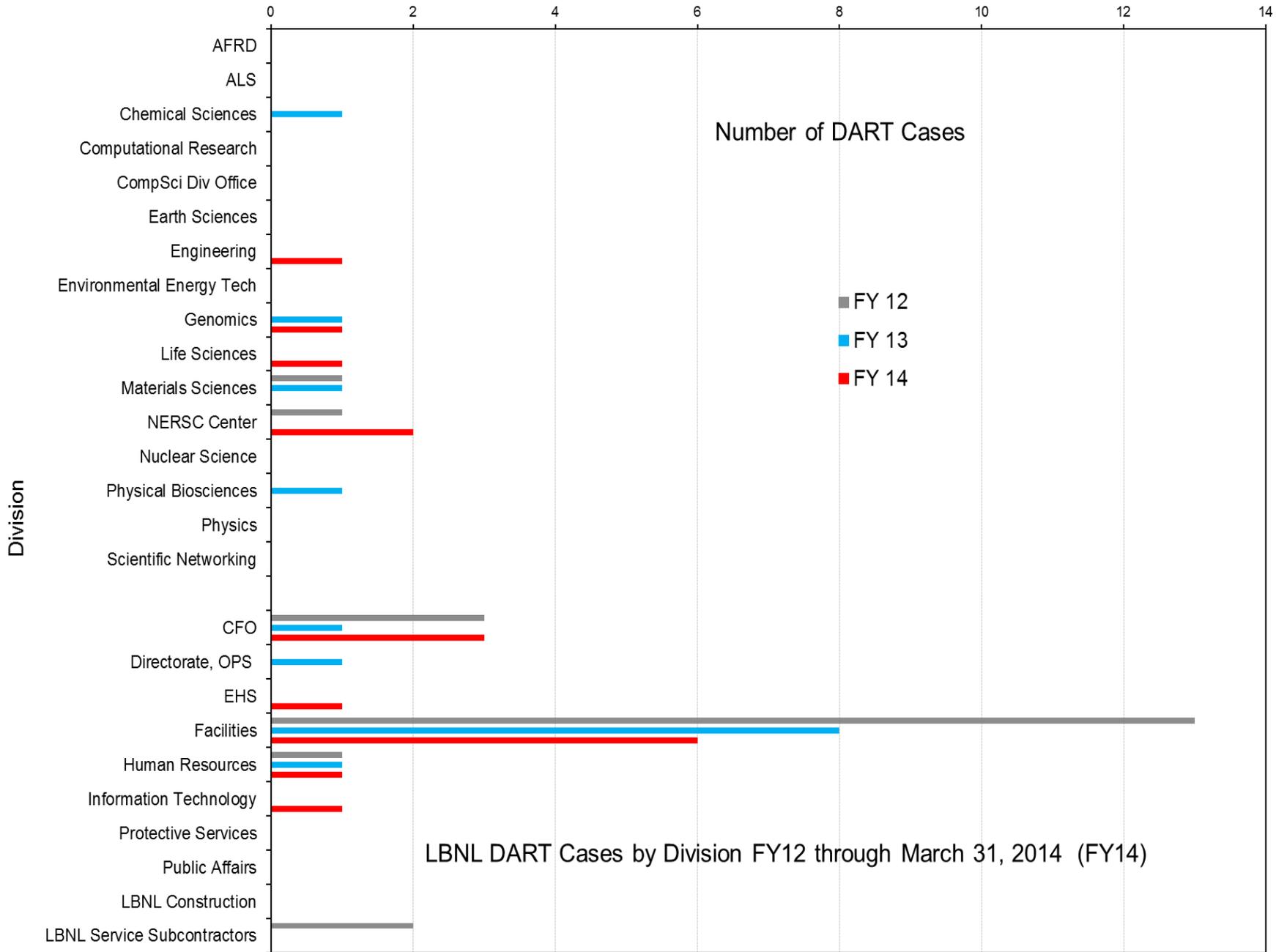
# LBNL Recordable Cases FY12 through March 31, 2014 (FY14)



# LBNL DART Cases FY12 through March 31, 2014 (FY14)

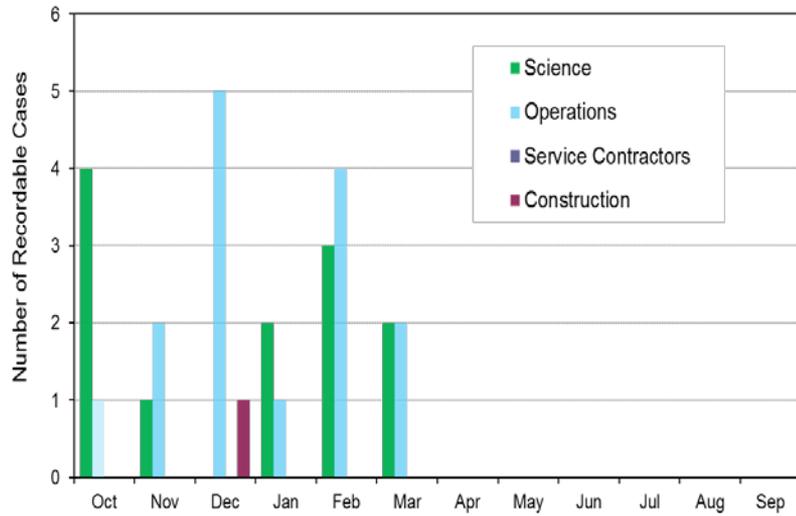




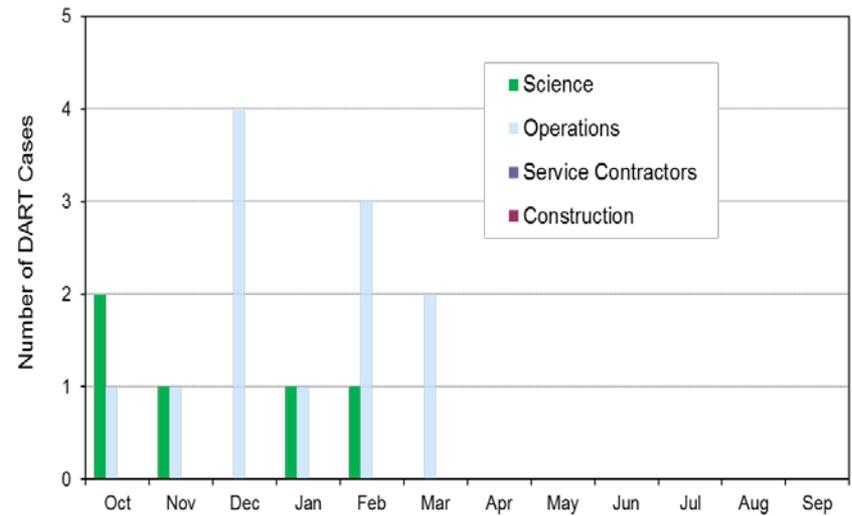


LBNL DART Cases by Division FY12 through March 31, 2014 (FY14)

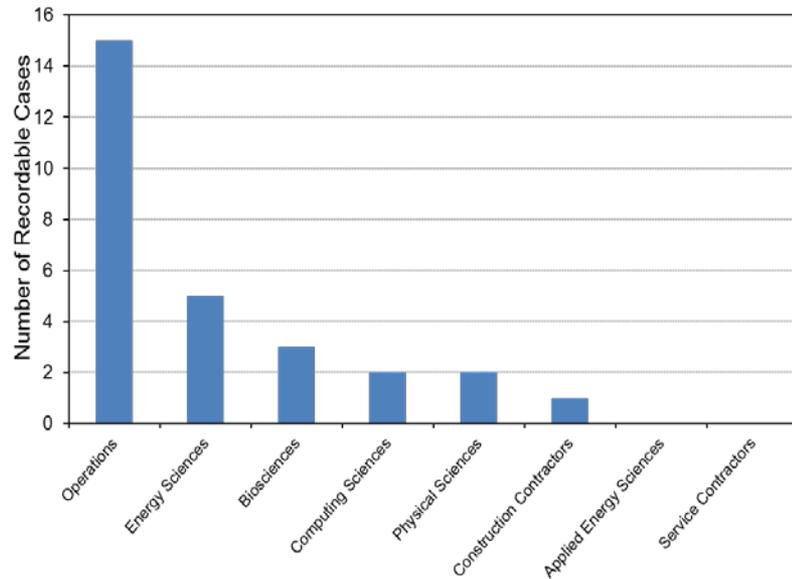
Recordable Cases by LBNL Major Organization  
FY 2014 To Date March 31, 2014



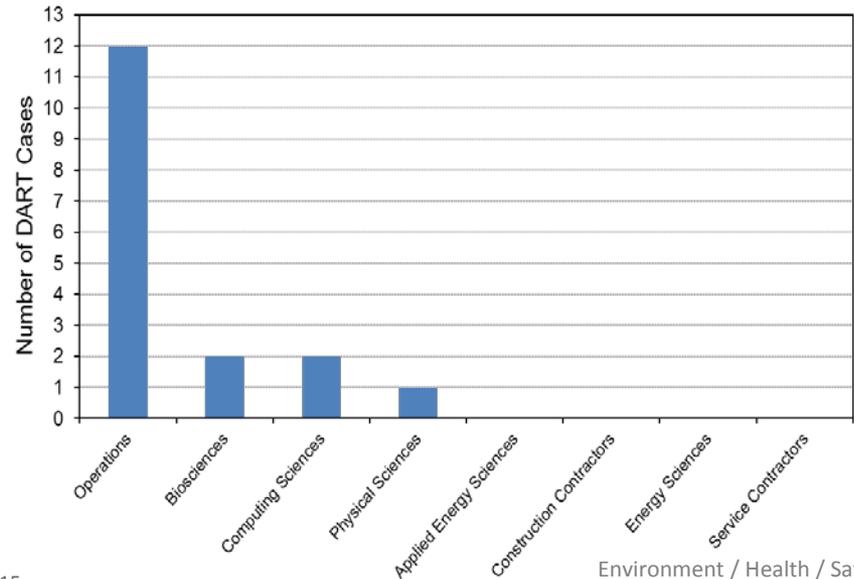
DART Cases by LBNL Major Organization  
FY 2014 To Date March 31, 2014



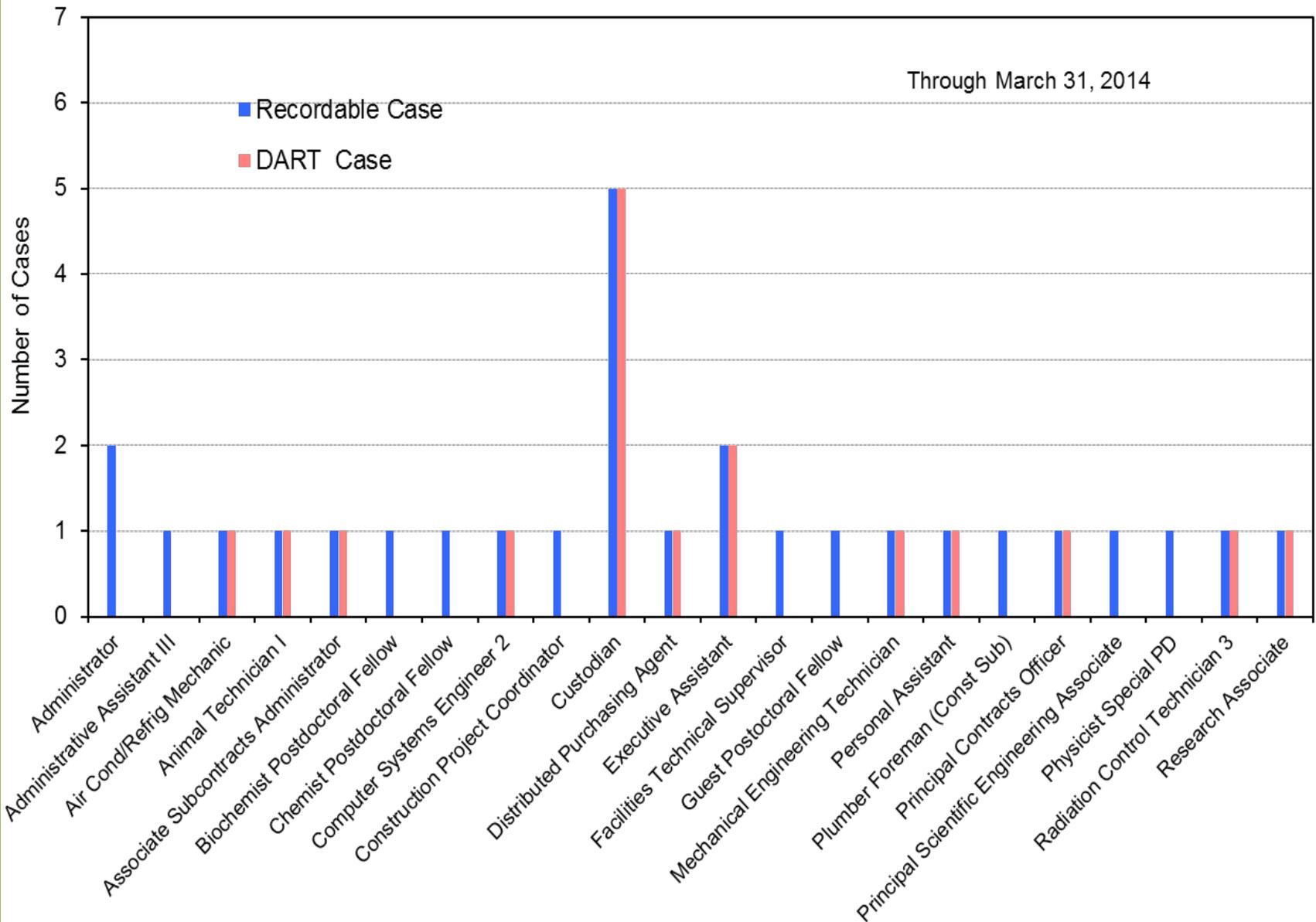
Recordable Cases by Associate Laboratory Directorate  
FY 2014 To Date March 31, 2014



DART Cases by Associate Laboratory Directorate  
FY 2014 To March 31, 2014

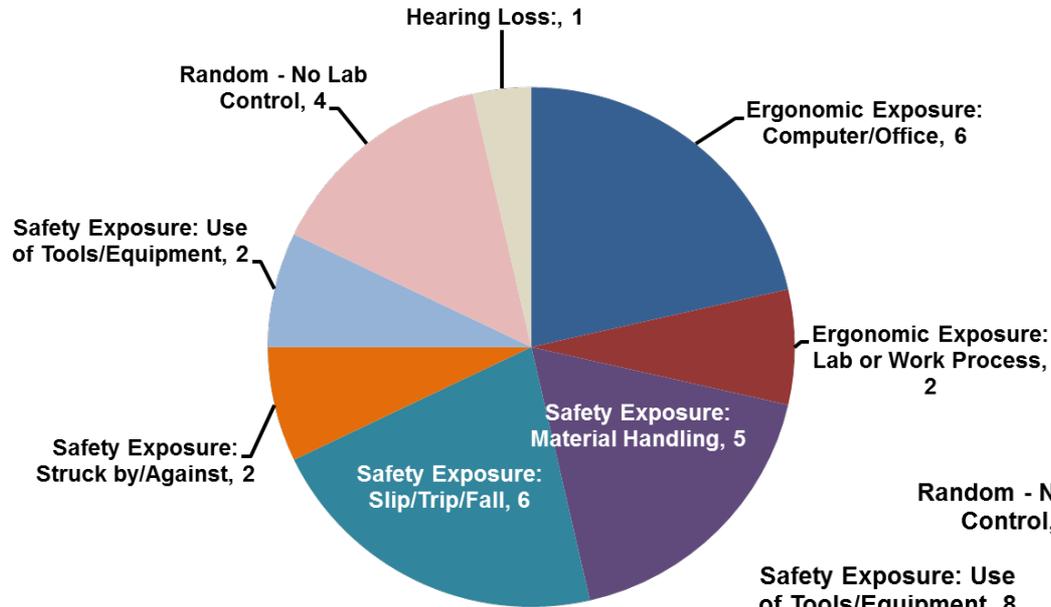


# Recordable and DART Cases by Job Classification

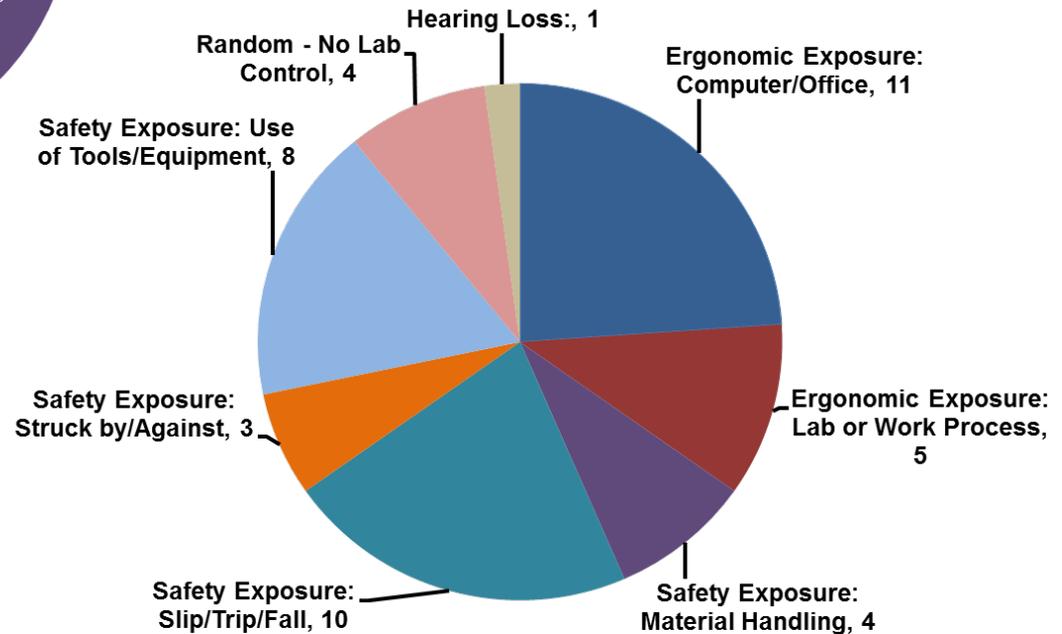


# Recordable Injury Categories and Causes

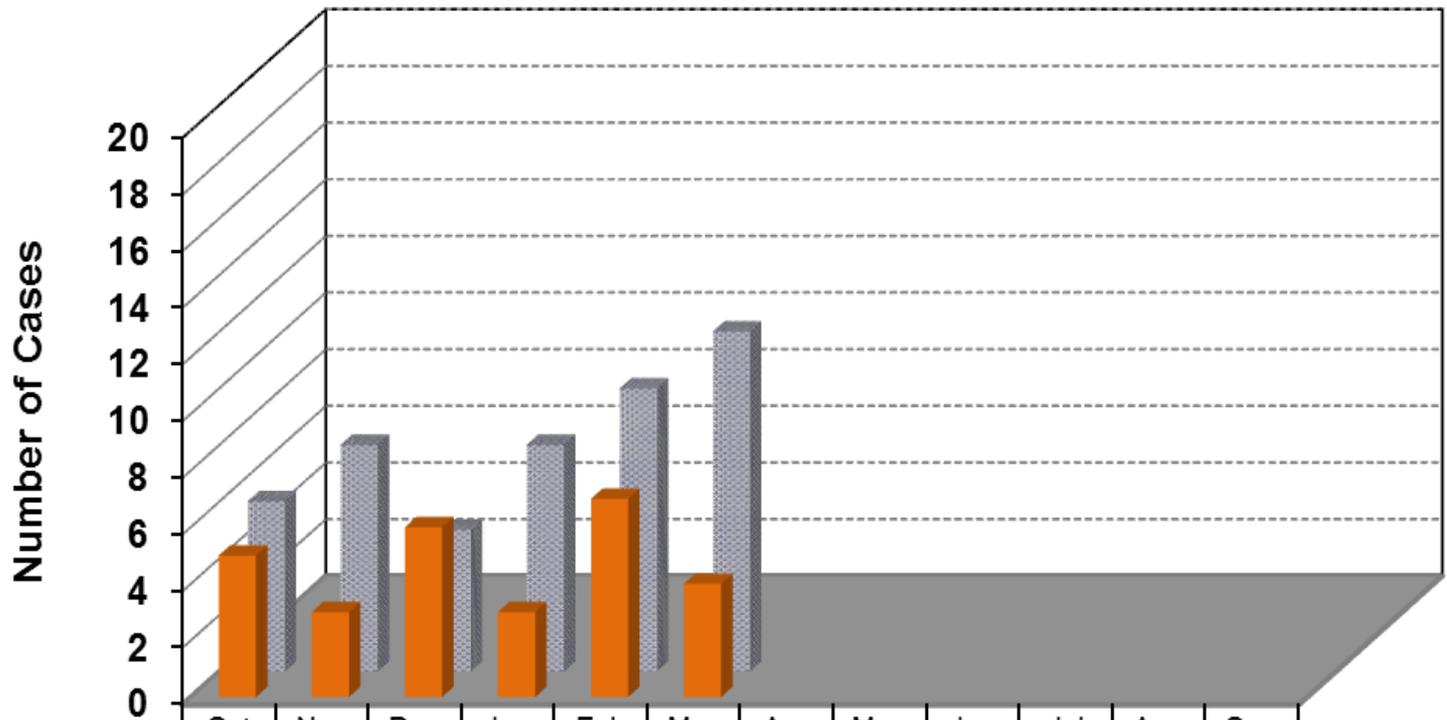
FY 2014 through March 31, 2014



FY 2013

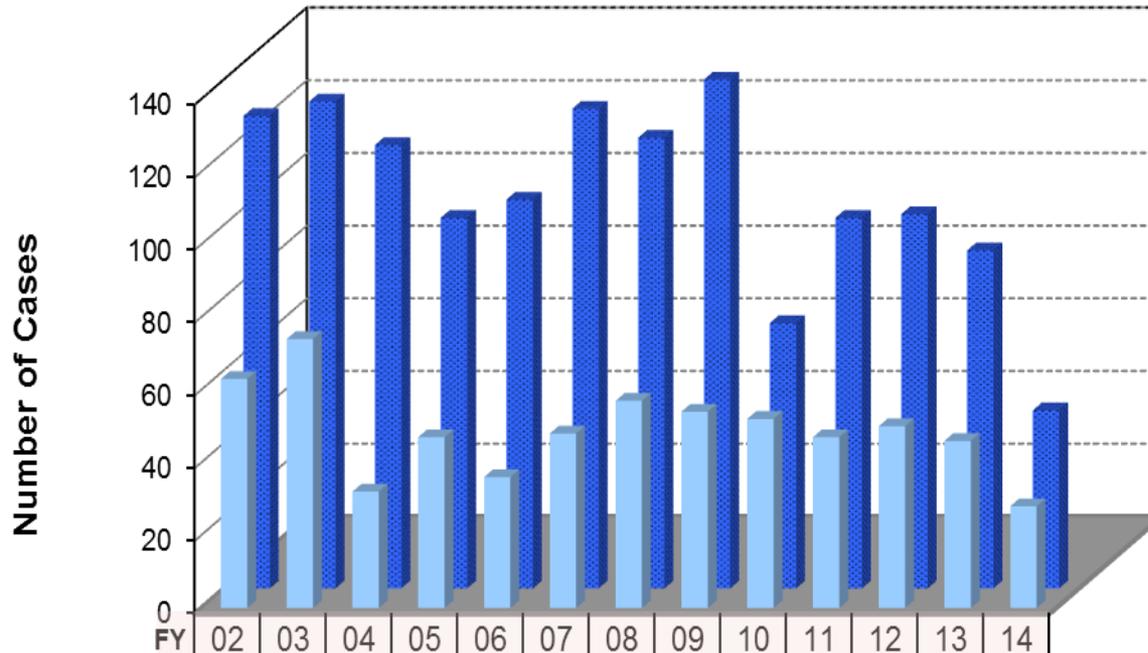


## FY2014 First Aid to Recordable Comparison by Month through March 31, 2014



	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
■ REC	5	3	6	3	7	4						
■ FA	6	8	5	8	10	12						
FA to REC Ratio	1.2	2.7	0.8	2.7	1.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0
% of Total as FA	55	73	45	73	59	75	0	0	0	0	0	0
% of Total as REC	45	27	55	27	41	25	0	0	0	0	0	0

## FY02 to FY2014 First Aid to Recordable Comparison by Year through March 31, 2014



■ REC	63	74	32	47	36	48	57	54	52	47	50	46	28
■ FA	130	134	122	102	107	132	124	140	73	102	103	93	49
FA to REC Ratio	2.1	1.8	3.8	2.2	3.0	2.8	2.2	2.6	1.4	2.2	2.0	2.0	1.7
% of Total as FA	67	64	79	68	75	73	69	72	58	68	67	67	64
% of Total as REC	33	36	21	32	25	27	31	28	42	32	33	33	36

# LBNL Total Recordable Cases October 1, 2013 - September 30, 2014 (FY14)

	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Total YTD
<b>LBNL Research</b>													
<b>Applied Energy Sciences</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental Energy Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Biosciences</b>	1	1	0	0	0	1	0	0	0	0	0	0	3
Genomics	0	1	0	0	0	0	0	0	0	0	0	0	1
Life Sciences	1	0	0	0	0	1	0	0	0	0	0	0	2
Physical Biosciences	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Computing Sciences</b>	0	0	0	1	1	0	0	0	0	0	0	0	2
Division Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Computational Research	0	0	0	0	0	0	0	0	0	0	0	0	0
NERSC Center	0	0	0	1	1	0	0	0	0	0	0	0	2
Scientific Networking	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Energy Sciences</b>	2	0	0	1	1	1	0	0	0	0	0	0	5
Advanced Light Source	1	0	0	0	0	0	0	0	0	0	0	0	1
Chemical Sciences	0	0	0	0	1	0	0	0	0	0	0	0	1
Earth Sciences	0	0	0	0	0	1	0	0	0	0	0	0	1
Materials Sciences	1	0	0	1	0	0	0	0	0	0	0	0	2
<b>Physical Sciences</b>	1	0	0	0	1	0	0	0	0	0	0	0	2
AFRD	0	0	0	0	0	0	0	0	0	0	0	0	0
Engineering	1	0	0	0	1	0	0	0	0	0	0	0	2
Nuclear Science	0	0	0	0	0	0	0	0	0	0	0	0	0
Physics	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>LBNL Research Sub-Total</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>
<b>LBNL Operations</b>													
CFO	1	0	3	0	0	0	0	0	0	0	0	0	4
Directorate	0	0	0	0	0	0	0	0	0	0	0	0	0
EHS	0	0	0	1	0	0	0	0	0	0	0	0	1
Facilities	0	1	2	0	3	2	0	0	0	0	0	0	8
Human Resources	0	0	0	0	1	0	0	0	0	0	0	0	1
Information Technology	0	1	0	0	0	0	0	0	0	0	0	0	1
Protective Services	0	0	0	0	0	0	0	0	0	0	0	0	0
Public Affairs	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>LBNL Operations Sub-Total</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>
<b>LBNL Total</b>	<b>5</b>	<b>3</b>	<b>5</b>	<b>3</b>	<b>7</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27</b>
<b>LBNL Construction</b>	0	0	1	0	0	0	0	0	0	0	0	0	1
<b>LBNL Service Subcontractors</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Site Grand Total</b>	<b>5</b>	<b>3</b>	<b>6</b>	<b>3</b>	<b>7</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28</b>
<i>Prior Year (FY13) Site Grand Total</i>	5	2	4	1	3	4	3	5	6	2	3	8	46
<i>Prior Year (FY12) Site Grand Total</i>	6	5	2	3	5	8	2	3	4	5	4	3	50
<i>Prior Year (FY11) Site Grand Total</i>	5	1	1	3	2	8	2	3	6	7	3	6	47
<i>Prior Year (FY10) Site Grand Total</i>	3	5	2	1	7	5	1	7	6	5	1	9	52
<i>Prior Year (FY09) Site Grand Total</i>	2	4	2	7	4	10	5	5	1	4	7	3	54
<i>Prior Year (FY08) Site Grand Total</i>	7	4	4	5	3	4	3	8	5	5	2	7	57
<i>Prior Year (FY07) Site Grand Total</i>	5	7	2	4	5	6	1	2	2	8	2	4	48

Color Gradation Key: 0 1 2 3 4 5 6 7 8+

**LBNL DART (Days Away, Restricted, Transferred) Cases Oct 1, 2013 - September 30, 2014 (FY14)**

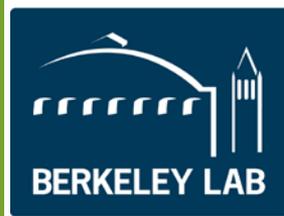
	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Total YTD
<b>LBNL Research</b>													
<b>Applied Energy Sciences</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental Energy Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Biosciences</b>	1	1	0	0	0	0	0	0	0	0	0	0	2
Genomics	0	1	0	0	0	0	0	0	0	0	0	0	1
Life Sciences	1	0	0	0	0	0	0	0	0	0	0	0	1
Physical Biosciences	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Computing Sciences</b>	0	0	0	1	1	0	0	0	0	0	0	0	2
Division Office	0	0	0	0	0	0	0	0	0	0	0	0	0
Computational Research	0	0	0	0	0	0	0	0	0	0	0	0	0
NERSC Center	0	0	0	1	1	0	0	0	0	0	0	0	2
Scientific Networking	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Energy Sciences</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
Advanced Light Source	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemical Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0
Earth Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Physical Sciences</b>	1	0	0	0	0	0	0	0	0	0	0	0	1
AFRD	0	0	0	0	0	0	0	0	0	0	0	0	0
Engineering	1	0	0	0	0	0	0	0	0	0	0	0	1
Nuclear Science	0	0	0	0	0	0	0	0	0	0	0	0	0
Physics	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>LBNL Research Sub-Total</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>5</b>						
<b>LBNL Operations</b>													
CFO	1	0	2	0	0	0	0	0	0	0	0	0	3
Directorate	0	0	0	0	0	0	0	0	0	0	0	0	0
EHS	0	0	0	1	0	0	0	0	0	0	0	0	1
Facilities	0	0	2	0	2	2	0	0	0	0	0	0	6
Human Resources	0	0	0	0	1	0	0	0	0	0	0	0	1
Information Technology	0	1	0	0	0	0	0	0	0	0	0	0	1
Protective Services	0	0	0	0	0	0	0	0	0	0	0	0	0
Public Affairs	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>LBNL Operations Sub-Total</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>
<b>LBNL Total</b>	<b>3</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>
<b>LBNL Construction</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>LBNL Service Subcontractors</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Site Grand Total</b>	<b>3</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>
<i>Prior Year (FY13) Site Grand Total</i>	2	0	1	0	1	1	1	1	3	1	1	3	15
<i>Prior Year (FY12) Site Grand Total</i>	3	2	0	1	2	2	2	1	2	1	3	2	21
<i>Prior Year (FY11) Site Grand Total</i>	3	0	0	1	0	3	2	3	4	5	0	3	24
<i>Prior Year (FY10) Site Grand Total</i>	1	3	1	0	3	3	1	1	3	2	2	0	20
<i>Prior Year (FY09) Site Grand Total</i>	1	2	0	2	0	5	2	3	0	2	2	0	19
<i>Prior Year (FY08) Site Grand Total</i>	3	3	2	2	1	3	1	4	1	2	1	2	25
<i>Prior Year (FY07) Site Grand Total</i>	2	4	0	3	2	4	1	1	0	4	0	3	24
Color Gradation Key:	0	1	2	3	4	5	6	7	8+				

Data as of 03/31/14

Notes: Projections assume that hours worked will remain constant



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